

Attorney Docket No. Le A 32 70

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PCT  
PATENT

# 5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Burchardt, et al.

Serial No.: 09/701,313

Filed: 11/28/2000

For: Monoclonal Antibody and Assay for Detecting PIINP

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

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**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. 1.97(b))**

Dear Sir:

Applicants wish to cite for the record in the above-identified application the references shown  
on the accompanying copy of PTO form 1449.

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT**

The supplemental information disclosure statement transmitted herewith is being filed **before**  
the mailing date of the first Office action on the merits.

**FEE PAYMENT**

Applicants believe that no fees are due with this submission. However, the Commissioner  
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Respectfully submitted,

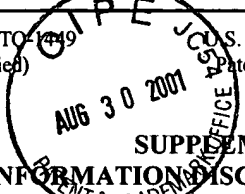
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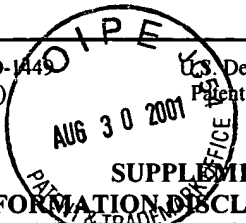
*[Signature]*  
Jerrie L. Chiu  
Attorney for Applicant(s)  
Bayer Corporation  
400 Morgan Lane  
West Haven, CT 06516

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Serial No. 09/701,313	Group A	Filing Date 11/28/2000	Atty. Docket No. Le A 32 701
 <p><b>SUPPLEMENTAL INFORMATION DISCLOSURE CITATION</b></p>		Applicant(s) <b>Burchardt, et al.</b>			

FOREIGN PATENT DOCUMENTS														
*	F	DOCUMENT NO.							DATE (DD/MM/YY)	COUNTRY	PRIMARY CLASS	S U B - CLASS	TRANSLATION	
		0	3	0	4	2	9	2					YES	NO
	<b>F<sub>3</sub></b>	0	3	0	4	2	9	2	22/02/89	EP				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)														
	<b>R<sub>1</sub></b>	Brocks, D. G., Steinert, C., Gerl, M., Knolle, J., Neubauer, H. P., and Gunzler, V., "A Radioimmunoassay for the N-terminal Propeptide of Rat Procollagen Type III", Matrix, <u>13</u> : 381-387 (1993)												
	<b>R<sub>2</sub></b>	Bulleid, N. J., Wilson, R., and Lees, J. F., "Type-III Procollagen Assembly in Semi-intact Cells: Chain Association, Nucleation and Triple-Helix Folding do not Require Formation of Inter-Chain Disulphide Bonds but Triple-Helix Nucleation Does Require Hydroxylation", Biochem. J., <u>317</u> : 195-202 (1996)												
	<b>R<sub>3</sub></b>	Colige, A., Li, S. W., Sieron, A. L., Nusgens, B. V., Prockop, D. J., and Lapiere, "cDNA Cloning and Expression of Bovine Procollagen I N-Proteinase: A New Member of the Superfamily of Zinc-Metalloproteinases with Binding Sites for Cells and Other Matrix Components", Proc. Natl. Acad. Sci. USA, 94: 2374-2379 (March 1997)												
	<b>R<sub>4</sub></b>	Davies, B. H., and Madri, J. A., "An Immunohistochemical and Serum ELISA Study of Type I and III Procollagen Aminopropeptides in Primary Biliary Cirrhosis", Am. J. Pathol., <u>128</u> (2): 265-275 (1987)												
	<b>R<sub>5</sub></b>	Eriksen, E. F., Charles, P., Melsen, F., Mosekilde, L., Risteli, L., and Risteli, J., "Serum Markers of Type I Collagen Formation and Degradation in Metabolic Bone Disease: Correlation with Bone Histomorphometry", Journal of Bone and Mineral Research, <u>8</u> (2): 127-132 (1993)												
	<b>R<sub>6</sub></b>	Fleischmajer, R., Timpl, R., Tuderman, L., Raisher, L., Wiestner, M., Perlish, J. S., and Graves, P. N., "Ultrastructural Identification of Extension Aminopropeptides of Type I and III Collagens in Human Skin", Proc. Natl. Acad. Sci. USA, 78(2): 7360-7364 (1981)												
	<b>R<sub>7</sub></b>	Hansen, M., Stoltengerg, M., Host, N. B., Boesby, S., Lorenzen, I., and Bentsen, K. D., "Glucocorticoids Inhibit the Synthesis Rate of Type III Collagen, but do not Affect the Hepatic Clearance of its Aminoterminal Propeptide (PIIINP)", Scand. J. Clin. Lab. Invest., <u>55</u> : 543-548 (1995)												
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	<b>R<sub>9</sub></b>	Huse, W. D., Sastry, L., Iverson, S. A., Kang, A. S., Alting-Mees, M., Burton, D. R., Benkovic, S. J., and Lerner, R. A., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science, <u>246</u> : 1275-1281 (1989)												

EXAMINER	DATE CONSIDERED
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Serial No. 09/701,313	Group A	Filing Date 11/28/2000	Atty. Docket No. Le A 32 701
 <p><b>SUPPLEMENTAL INFORMATION DISCLOSURE CITATION</b></p>		Applicant(s) <b>Burchardt, et al.</b>			

<b>R<sub>10</sub></b>	Jeffers, L. J., Coelho-Little, E., Cheinquer, H., Vargas, C., Civantos, F., Alvarez, L., Reddy, K. R., Parker, T., De Medina, M., Li, X., Hill, M., LaRue, S., and Schiff, E. R., "Procollagen-III Peptide and Chronic Viral C Hepatitis", Am. J. Gastroenterology, <u>90</u> (9): 1437-1440 (1995)
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<b>R<sub>14</sub></b>	Moore, G. E. , Gerner, R. E., and Franklin, H. A., "Culture of Normal Leukocytes", JAMA, <u>199</u> (8): 87-92 (1967)
<b>R<sub>15</sub></b>	Murawaki, Y., Ikuta, Y., Nishimura, Y., Koda, M., and Kawasaki, H., "Serum Markers for Connective Tissue Turnover in Patients with Chronic Hepatitis B and Chronic Hepatitis C: A Comparative Analysis", Journal of Hepatology, <u>23</u> : 145-152 (1995)
<b>R<sub>16</sub></b>	Niemela, O., Risteli, L., Sotaniemi, E. A., and Risteli, J., "Heterogeneity of the Antigens Related to the Aminoterminal Propeptide of Type III Procollagen in Human Serum", Clinica Chimica Acta, <u>124</u> : 39-44 (1982)
<b>R<sub>17</sub></b>	Peltonen, L., Halila, R., and Ryhanen, L., "Enzymes Converting Procollagens to Collagens", Journal of Cellular Biochemistry, <u>28</u> : 15-21 (1985)
<b>R<sub>18</sub></b>	Plebani, M., and Burlina, A., "Biochemical Markers of Hepatic Fibrosis", Clin. Biochem., <u>24</u> : 219-239 (1991)
<b>R<sub>19</sub></b>	Rohde, H., Bruckner, P., and Timpl, R., "Immunochemical Properties of the Aminopropeptide of Procollagen Type III", Eur. J. Biochem., <u>135</u> : 197-202 (1983)
<b>R<sub>20</sub></b>	Rohde, H., Vargas, L., Hahn, E., Kalbfleisch, H., Brugera, M., and Timpl, R., "Radioimmunoassay for Type III Procollagen Peptide and its Application to Human Liver Disease", European Journal of Clinical Investigation, <u>9</u> : 451-459 (1979)
<b>R<sub>21</sub></b>	Savolainen, E.-R., Goldberg, B., Leo, M. A., Velez, M., and Lieber, C. S., "Diagnostic Value of Serum Procollagen Peptide Measurements in Alcoholic Liver Disease", Alcoholism: Clinical and Experimental Research, <u>8</u> (4): 384-389 (1984)
<b>R<sub>22</sub></b>	Schuppan, D., "Connective Tissue Polypeptides in Serum as Parameters to Monitor Antifibrotic Treatment in Hepatic Fibrogenesis", Journal of Hepatology, <u>13</u> (3): S17-S25 (1991)
<b>R<sub>23</sub></b>	Scott, I. C., Halila, R., Jenkins, J. M., Mehan, S., Apostolou, S., Winqvist, R., Callen, D. F., Prockop, D. J., Peltonen, L., Kadler, K. E., "Molecular Cloning, Expression and Chromosomal Localization of a Human Gene Encoding a 33 kDa Putative Metallopeptidase (PRSM1)", Gene, <u>174</u> : 135-143 (1996)
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